

REQUEST FOR ENGINEERING SERVICES

OCTOBER 2014

AGENCY: Department of Health Services

DHS CONTACT: Mark Zaccagnino, (608) 266-2902, mark.zaccagnino@wisconsin.gov

LOCATION: Central Wisconsin Center, Madison, Dane County

PROJECT REQUEST:

Request release of \$35,000 Agency Cash – Planning to prepare preliminary plans and a design report for a Fiber Optic Network Upgrade project at Central Wisconsin Center. The selected A/E will be responsible for the above items plus, final design, bidding documents and construction administration.

PROJECT NUMBER: 14I3D

PROJECT DESCRIPTION:

This project will upgrade the fiber optic communications network to select buildings at Central Wisconsin Center (CWC). Construction includes the installation of single mode fiber optic cable between buildings via the utility tunnel. The project will also install a redundant fiber optic link in the tunnel for enhanced reliability. Telecommunication Room utilities will be upgraded at each building as required to accommodate the new cable system and network electronics

PROJECT JUSTIFICATION:

This project is required to bring the existing communications network to a standard utilized in other health care facilities, improving patient care and services. Due to the current volume of network traffic, the existing fiber optic system does not always perform adequately. Applications continue to operate at higher speeds and migrate from copper wire and multimode fiber optic cable to single mode fiber optic cable. The installation of single mode fiber optic cable between the buildings will improve the performance of the existing network and provide the necessary capacity and higher transmission rates as required by DHS applications. These applications include telephone, paging and intercom systems, fire alarm systems, digital radios and electronic health records.

BUDGET/SCHEDULE:

Construction	\$
Design	\$
DFD Mgt	\$
Contingency	\$
Equipment	\$
Commissioning Fee	\$
TOTAL	\$1,525,000

SBC Approval	May 2015
A/E Selection	Oct 2014
Design Report	Apr 2015
Bid Opening	Aug 2015
Start Construction	Sep 2015
Substantial Completion	Apr 2016
Final Completion	Nov 2016

PREVIOUS ACTION:

None